

### **ABSTRACT OF THE DISCLOSURE**

Provided is an apparatus and method for reconstructing the high frequency part of audio signal to improve the quality of the audio signal. The apparatus includes a frequency inverter which inverts the frequency of an input signal; a band-pass filter which filters the high frequency part of the inverted signal; a converter which shifts the frequency of the filtered signal so as not to generate aliasing of the input signal and the filtered signal; and an adder which adds the shifted signal to the input signal. Therefore, hearing perception close to the original signal can be achieved.